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TI Extrusion of cement-based building materials

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SO Jpn. Kokai Tokkyo Koho, 4 pp.

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DT Patent

LA Japanese

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ICS B28B003-20

ICI C04B028-02, C04B014-06, C04B016-02, C04B024-38, C04B024-22, C04B022-06, C04B016-08, C04B014-16

CC 58-4 (Cement, Concrete, and Related Building Materials)

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI JP 06001648	A	19940111	JP 1992-189940	19920623
JP 2736206	B2	19980402		
PRAI JP 1992-189940		19920623		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
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JP 06001648	ICM	C04B028-02
	ICS	B28B003-20
	ICI	C04B028-02, C04B014-06, C04B016-02, C04B024-38, C04B024-22, C04B022-06, C04B016-08, C04B014-16
	IPCI	C04B0028-02 [ICM,5]; B28B0003-20 [ICS,5]; C04B0028-02 [ICI,5]; C04B0028-00 [ICI,5,C*]; C04B0014-06 [ICI,5]; C04B0016-02 [ICI,5]; C04B0024-38 [ICI,5]; C04B0024-22 [ICI,5]; C04B0024-00 [ICI,5,C*]; C04B0022-06 [ICI,5]; C04B0022-00 [ICI,5,C*]; C04B0016-08 [ICI,5]; C04B0016-00 [ICI,5,C*]; C04B0014-16 [ICI,5]; C04B0014-02 [ICI,5,C*]
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	ECLA	C04B028/02

AB In the extrusion of compns. comprising cement, SiO<sub>2</sub> powder (0.7-1.3 weight parts/weight part cement), reinforcing fibers, lightwt. aggregate, and an extrusion aid, 0.1-3 weight% (based on the the above mixture) salt of naphthalenesulfonic acid-H<sub>2</sub>CO condensate and 3-15 weight% Mg(OH)<sub>2</sub> are added to the mixture and then water is mixed to be extruded. A mixture prepared from cement 40, sand 53, cellulose pulp 7, foamed polystyrene beads 0.85, Me cellulose 0.6, and water 50 weight parts, with addition of Mighty 150 3.0, and Mg(OH)<sub>2</sub> 5-10 weight parts, was extruded and cured first at 30° for 15 h and then autoclaved at 6.7 kg/cm<sup>2</sup> for 8 h to give smooth boards having bending strength 101 kg/cm<sup>2</sup>.

ST plasticizer magnesium hydroxide cement